

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE, NOVEMBER – 2023**

FUNDAMENTALS OF SYSTEM ADMINISTRATION

[Maximum Marks: 75]

[Time: 3 Hours]

PART-A

I. Answer *all* the following questions in one word or one sentence. Each question carries ‘one’ mark.

(9 x 1 = 9 Marks)

		Module Outcome	Cognitive level
1.	What is communication?	M1.08	R
2.	Label any one method to error detection.	M1.09	R
3.	List any two process states.	M2.02	R
4.command is used to copy a file.	M3.02	R
5.	Define file.	M2.08	R
6.	Define shell prompt.	M3.06	R
7.	What is the use of echo command in linux?	M3.08	R
8.	Tell the use of "break' in shell scripting.	M4.04	R
9.	Recall the use of -eq command in shell programming.	M4.01	R

PART-B

II. Answer any *eight* questions from the following. Each question carries ‘three’ marks.

(8 x 3 = 24 Marks)

		Module Outcome	Cognitive level
1.	Define software with an example.	M1.01	R
2.	Illustrate Multitasking Systems.	M1.04	U
3.	Outline error detection.	M1.09	U
4.	Explain sequential access method.	M2.09	U
5.	Explain shell.	M3.04	U
6.	Compare any two memory management schemes in OS.	M2.03	U
7.	Show the use of who command in Linux.	M3.03	U
8.	Illustrate the use of an environment variable.	M3.08	U
9.	Recall the syntax of for loop in shell scripting.	M4.03	R
10.	Relate the Boolean operators supported by Bourne Shell.	M4.01	R

PART-C

Answer all questions from the following. Each question carries 'seven' marks.

(6 x 7 = 42 Marks)

		<small>Module Outcome</small>	<small>Cognitive level</small>
III.	Summarize file system manipulation. OR	M1.07	U
IV.	Contrast any three types of operating system.	M1.04	U
V.	Compare different file accessing methods. OR	M2.09	U
VI.	Explain the paging concept and need of paging.	M2.04	U
VII.	Classify different directory structures. OR	M2.10	U
VIII.	Explain PCB with a neat diagram.	M2.02	U
IX.	Summarize different file management commands. OR	M3.02	U
X.	Explain kernal.	M3.05	U
XI.	Explain Shell scripting and advantage of shell scripting. OR	M3.07	U
XII.	List different directory management commands.	M3.01	R
XIII.	Show any looping concept with the help of shell program. OR	M4.03	U
XIV.	Explain with an example Arithmetic Operators in shell scripting.	M4.01	U
